

Serial No. 10/620,569 filed 7/16/03

**REMARKS**

Claims 16 and 32 have been amended to address the Examiner's objection.

The Examiner has rejected all of the claims as directed toward non-statutory subject matter. Claims 1-16 recite "sampling commands and feedback sensors to pose a determination of actuator commands in terms of a solution of a quadratic programming problem based upon model predictive control." The step of "sampling commands and feedback sensors" is pre-computer process activity, qualifying these claims for the statutory subject matter safe harbor.

Claim 17 recites "receiving a plurality of sensor signals indicating current conditions of the system" and "formulating a problem . . . using . . . the sensor signals." This pre-computer activity qualifies the claim for the safe harbor of the statutory subject matter guidelines.

Claims 18-32 recite "a plurality of sensors indicating a current state of the system" and "formulating a problem of achieving the desired dynamic response based upon the current state of the system." This pre-computer activity qualifies the claim under the safe harbor.

Please charge \$150 to Deposit Account No. 50-1482 for three additional claims. If any additional fees are required, please charge to Deposit Account No. 50-1482.

Respectfully submitted,

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